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(b) a nucleotide sequence shown by SEQ ID NO: 1;
(c) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 4;
(d) a nucleotide sequence shown by SEQ ID NO: 3; and
(e) a nucleotide sequence encoding an amino acid sequence of a 4.4 Kbp gene obtainable from a plant, which is amplifiable with a combination of a PCR primer selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 13 and a PCR primer selected from the group consisting of SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 14, and SEQ ID NO: 15.

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Claim 19. (Amended) The isolated polynucleotide according to claim 18, wherein the aldehyde compound is indoleacetaldehyde and the carboxylic acid is indoleacetic acid.

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Claim 20. (Amended) The isolated polynucleotide according to claim 18, which is derived from maize plant (*Zea mays L*).

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Claim 21. (Twice Amended) The isolated polynucleotide according to claim 19, which is derived from maize plant (*Zea mays L*).

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Claim 22. (Amended) A plasmid comprising a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and having a nucleotide sequence selected from the group consisting of:

- (a) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 2;
- (b) a nucleotide sequence shown by SEQ ID NO: 1;
- (c) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 4;
- (d) a nucleotide sequence shown by SEQ ID NO: 3; and
- (e) a nucleotide sequence encoding an amino acid sequence of a 4.4 Kbp gene obtainable from a plant, which is amplifiable with a combination of a PCR primer selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 13 and a PCR primer selected from the group consisting of SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 14, and SEQ ID NO: 15.

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Claim 26. (Amended) A process for constructing an expression plasmid which comprises ligating:

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- (1) a promoter capable of functioning in a plant cell, (2) a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and having a nucleotide sequence selected from the group consisting of:

Seq ID NO: 2

- (a) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 2;
- (b) a nucleotide sequence shown by SEQ ID NO: 1;
- (c) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 4;
- (d) a nucleotide sequence shown by SEQ ID NO: 3; and
- (e) a nucleotide sequence encoding an amino acid sequence of a 4.4 Kbp gene obtainable from a plant, which is amplifiable with a combination of a PCR primer selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 13 and a PCR primer selected from the group consisting of SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 14, and SEQ ID NO: 15, and

(3) a terminator capable of functioning in a plant in a functional manner and in the order described above.

Claim 27. (Amended) An expression plasmid comprising:

- (1) a promoter capable of functioning in a plant cell,
- (2) a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a carboxylic acid, and having a nucleotide sequence selected from the group consisting of:

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- (a) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 2;
- (b) a nucleotide sequence shown by SEQ ID NO: 1;
- (c) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 4;
- (d) a nucleotide sequence shown by SEQ ID NO: 3; and
- (e) a nucleotide sequence encoding an amino acid sequence of a 4.4 Kbp gene obtainable from a plant, which is amplifiable with a combination of a PCR primer selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 13 and a PCR primer selected from the group consisting of SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 14, and SEQ ID NO: 15, and

(3) a terminator capable of functioning in a plant which are ligated in a functional manner and in the order described above.

Claim 28. (Amended) A process for controlling production of an aldehyde oxidase in a transformed host cell which comprises introducing, into a host cell, an expression plasmid comprising:

- (1) a promoter capable of functioning in a plant cell,
- (2) a polynucleotide encoding an aldehyde oxidase enzyme, wherein said enzyme oxidizes an aldehyde compound to a

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carboxylic acid, and having a nucleotide sequence selected from the group consisting of:

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- (a) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 2;
- (b) a nucleotide sequence shown by SEQ ID NO: 1;
- (c) a nucleotide sequence encoding an amino acid sequence shown by SEQ ID NO: 4;
- (d) a nucleotide sequence shown by SEQ ID NO: 3; and
- (e) a nucleotide sequence encoding an amino acid sequence of a 4.4 Kbp gene obtainable from a plant, which is amplifiable with a combination of a PCR primer selected from the group consisting of SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 13 and a PCR primer selected from the group consisting of SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 14, and SEQ ID NO: 15, and
- (3) a terminator capable of functioning in a plant which are ligated in a functional manner and in the order described above to transform said host cell.